FLUID ANALYSIS

UIN 096B64F

Transmission

Unit No. 1DW624PAAMLZ11358

Unit:
Make John Deere
Model 624P
Serial No. 1DW624PAAMLZ11358

Site 406028

Compartment:
Name Transmission
Make
Model
Serial No.
Capacity:

Customer:
PEGASUS LINK
PO Box 223727
Dallas TX 75222
USA

DIAGNOSIS

No recommended action at this time. Resample at normal intervals.

ANALYST: Sam Smith Phoenix

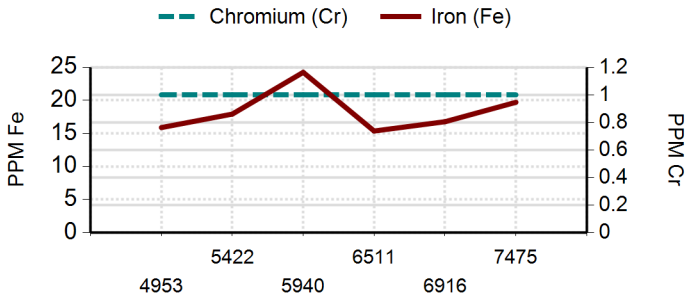
Normal

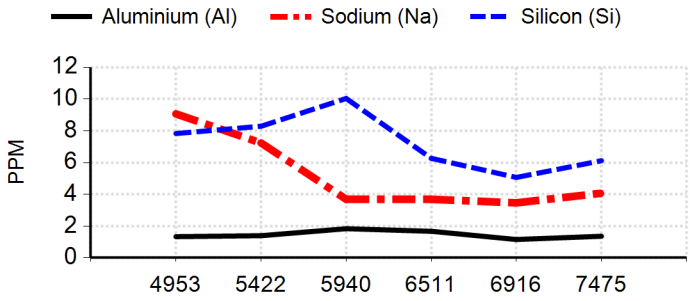
LEGEND
Severe | Abnormal | Caution | Normal

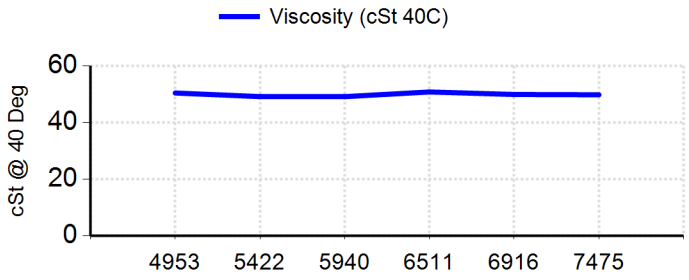
DATE SAMPLED		26-Mar-26	16-Dec-25	23-Sep-25	26-Jun-25	27-Feb-25	09-Oct-24
DATE RECEIVED		03-Apr-26	22-Dec-25	02-Oct-25	07-Jul-25	07-Mar-25	15-Oct-24
DATE REPORTED		06-Apr-26	24-Dec-25	03-Oct-25	07-Jul-25	10-Mar-25	17-Oct-24
LAB NO.		44023916696	44023833375	44023767495	41023932358	44023592538	44023472090
SIF NO.		JDP010363598	JDP010237802	JDP010171378	JDP010110267	JDP010059147	JDP010037510
TIME ON UNIT	Hrs	7475	6916	6511	5940	5422	4953
TIME ON OIL	Hrs	1535	976	571	5940	5422	4953
OIL BRAND		John Deere	John Deere	John Deere	John Deere	John Deere	John Deere
OIL TYPE		Hy-Gard	Hy-Gard	Hy-Gard	Hy-Gard	Hy-Gard	Hy-Gard
OIL GRADE		THF	THF	THF	THF	THF	THF
OIL ADDED							
FILTER		1535	976	571	5940	5422	4953
OIL CHANGED		Not Changed	Not Changed	Not Changed	Changed	Not Changed	Not Changed
WO NUMBER		31428	W29639	W27478	25534	W23061	W20205
Physical / Chemical							
Acid Number (mgKOH/g)		1.93	1.96	1.91	2.01	3.17	2.22
Metals (ppm)							
Iron (Fe)		20	17	15	24	18	16
Chromium (Cr)		<1	<1	<1	<1	<1	<1
Lead (Pb)		<1	<1	<1	<1	<1	<1
Copper (Cu)		4	3	3	6	4	4
Tin (Sn)		<1	<1	<1	<1	<1	<1
Aluminium (Al)		1	1	2	2	1	1
Nickel (Ni)		<1	<1	<1	<1	<1	<1
Silver (Ag)		<1	<1	<1	<1	<1	<1
Titanium (Ti)		<1	<1	<1	<1	<1	<1
Vanadium (V)		<1	<1	<1	<1	<1	<1
Contaminants (ppm)							
Silicon (Si)		6	5	6	10	8	8
Sodium (Na)		4	3	4	4	7	9
Potassium (K)		<1	<1	<1	2	<1	<1
Water (%)		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Solids (%)		<0.1	<0.1	0.1	<0.1	0.1	<0.1
Additives (ppm)							
Magnesium (Mg)		112	103	112	100	103	98
Calcium (Ca)		3416	3187	3418	3177	3360	3111
Barium (Ba)		<1	<1	<1	<1	<1	<1
Phosphorus (P)		1085	1000	1082	1116	1092	1063
Zinc (Zn)		1272	1194	1271	1253	1259	1254
Molybdenum (Mo)		4	4	4	2	1	2
Boron (B)		5	<5	5	<5	<5	<5
Physical Tests							
Viscosity (cSt 40C)		49.8	50.0	50.8	49.2	49.2	50.5
Additional							
PQ Index		<10	<10	<10	<10	<10	<10

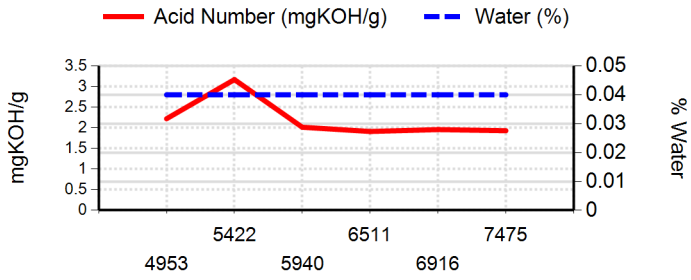
FLUID ANALYSIS

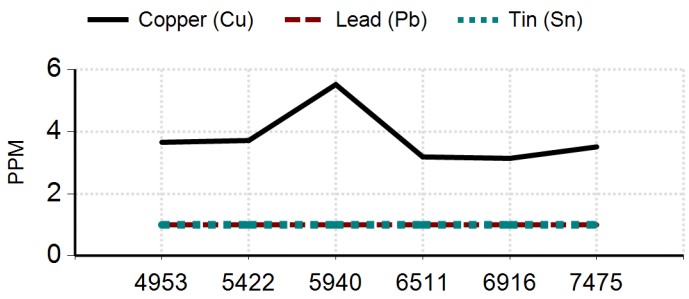
UIN 096B64F











Filter Image

Filter patch test is not performed Contact laboratory for more information

Since services are based on samples and information supplied by others, and since corrective actions, if any, are necessarily taken by others, these services are rendered without any warranty or liability of any kind beyond the actual amount paid to ALS Tribology for the services. Reported recommendations are based on interpretations of the generated test results and historical data. Certain test results appearing in this report may have been tested at other ALS laboratories within the Tribology divisional network.

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U.S. Laboratories

Atlanta, Georgia - 420
5300 OakBrook Parkway
Building 200 Suite 245
Norcross, GA 30093
800.394.3669

Valley View, Ohio - 410
6180 Halle Dr. Suite D
Valley View, OH 44125
800.726.5400

Kansas City, Kansas - 430
935 Sunshine Road
Kansas City, KS 66115
800.332.8055

Phoenix, Arizona - 440
3319 West Earll Drive
Phoenix, AZ 85017
800.445.7930

Portland, Oregon - 401
4943 NW Front Avenue
Portland, OR 97210
800.770.4128

Canadian Laboratories

Burlington, Ontario - 450
5036 South Service Rd.
Burlington, ON L7L5Y7
905 332 9559

Edmonton, Alberta - 402
9450 17 Ave NW
Edmonton, AB T6N 1M9
+1 (780) 483-1036

Sales & Marketing

Houston, Texas
10450 Stancliff Road, Suite 210
Houston, TX 77099
877.835.8437

International Locations

Australia
Brisbane, Perth, Sydney, Muswellbrook

South America
Santiago de Chile, Belo Horizonte, Brazil

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TEST METHODS:

Acid Number:	ASTM D974/D664 (*M)
Base Number:	ASTM D4739 (*M)
Base Number (Perchloric):	ASTM D2896B, back (*M)
Fuel Dilution by GC:	ASTM D7593
Fuel Dilution Visc/Setaflash	In House
Fuel Soot ATR/IR:	ASTM D7686 (*M)
Soot by FTIR:	ASTM D7844
Glycol:	In House
Metals by ICP AES:	ASTM D5185 (*M)
Ox, NOx, SOx, FTIR:	ASTM E2412/D7418/D7414 D7415
PQ Index:	ASTM D8120 (*M)
Particle Count:	ASTM D7647 (*M) / ISO 4406
Kinematic Viscosity:	ASTM D445 (*M) / D7279 (*M)
Water KF:	D6304 / E203 (*M)
Water Crackle:	In House

*M - Modified Method